

**Public Works Academy of Seminole County**  
**EQUIPMENT-OPERATION & MAINTENANCE [ENG/AUTO] COURSE**  
**MODULES (C)**

➤ **Heavy Engineering Equipment (4 hours) /**

*Dozers; Motor graders; Loaders; Graders; Tractor trailers; Concrete Mixer; Pavers*

Performance Objectives:

- Demonstrate proper safety procedures when dealing with heavy Eng. equipment
- Describe when to use specified equipment
- Identify operating characteristics
- Perform safety inspection of equipment
- Perform proper fueling and fluid checks
- Types and identification of fuels and oils

➤ **Light Engineering Equipment (4 hours) /**

*Grade mixer; Back Hoe; Roller; Dump truck; Farm tractors; Trencher; SkidSteer; Farm tractor; Concrete mixers*

Performance Objectives:

- Demonstrate proper safety procedures when dealing with light Eng. equipment
- Describe when to use specified equipment
- Identify operating characteristics
- Perform proper fueling and fluid checks
- Types and identification of fuels and oils

➤ **Auto-transportation (6 hours) /**

*Service vehicles; Pickup trucks; Sport Utility vehicles; Vans; Recovery trucks*

Performance Objectives:

- Identify vehicle systems
- Identify system components
- Perform safety inspection
- Perform vehicle maintenance inspection
- Check fluid levels
- Clean battery terminals
- Use proper procedure for "jump-starting" a vehicle

➤ **Special Engineering—Fire, etc. (4 hours) /**

*Service vehicles; Pickup trucks; Sport Utility vehicles; Vans; Recovery trucks*

Performance Objectives:

- Demonstrate proper safety procedures
- Describe when to use specified equipment
- Identify operating characteristics
- Perform safety inspection of equipment
- Perform proper fueling and fluid checks
- Types and identification of fuels and oils